

## Claims

Claim 1-75 (cancelled).

~~Claim 76 (previously presented): A process for purifying chlorofluorinated compounds comprising:~~

providing a first mixture comprising both first and second isomers of a C-3 chlorofluorinated compound, the first mixture having a first ratio of the first isomer to the second isomer; and

contacting the mixture with a chromium-comprising catalyst to form a second mixture comprising a second ratio of the first isomer to the second isomer, wherein the first ratio is less than the second ratio.

Claim 77 (previously presented): The process of claim 76 wherein the C-3 chlorofluorinated compound comprises  $C_3F_6Cl_2$ , the first isomer comprises  $CF_3CCl_2CF_3$ , and the second isomer comprises  $CF_3CClFClCF_3$ .

Claim 78 (previously presented): The process of claim 76 wherein the C-3 chlorofluorinated compound comprises  $C_3F_7Cl$ , the first isomer comprises  $CF_3CClFClCF_3$ , and the second isomer comprises  $CF_3CF_2CF_2Cl$ .

Claim 79 (previously presented): The process of claim 76 wherein the chromium-comprising catalyst is Chrom-gel<sup>®</sup>.

Claim 80 (previously presented): The process of claim 76 wherein the contacting further comprises heating the mixture to a temperature of from about 250°C to about 350°C.

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Claim 81 (original): The process of claim 80 wherein the temperature is about 280°C.

Claims 82-88 (cancelled).

Claim 89 (previously presented): The process of claim 76 further comprising separating at least a portion of the first isomer from the second mixture.

Claim 90 (previously presented): The process of claim 89 wherein the separating comprises distilling the second mixture to form a solution comprising the portion of the first isomer.